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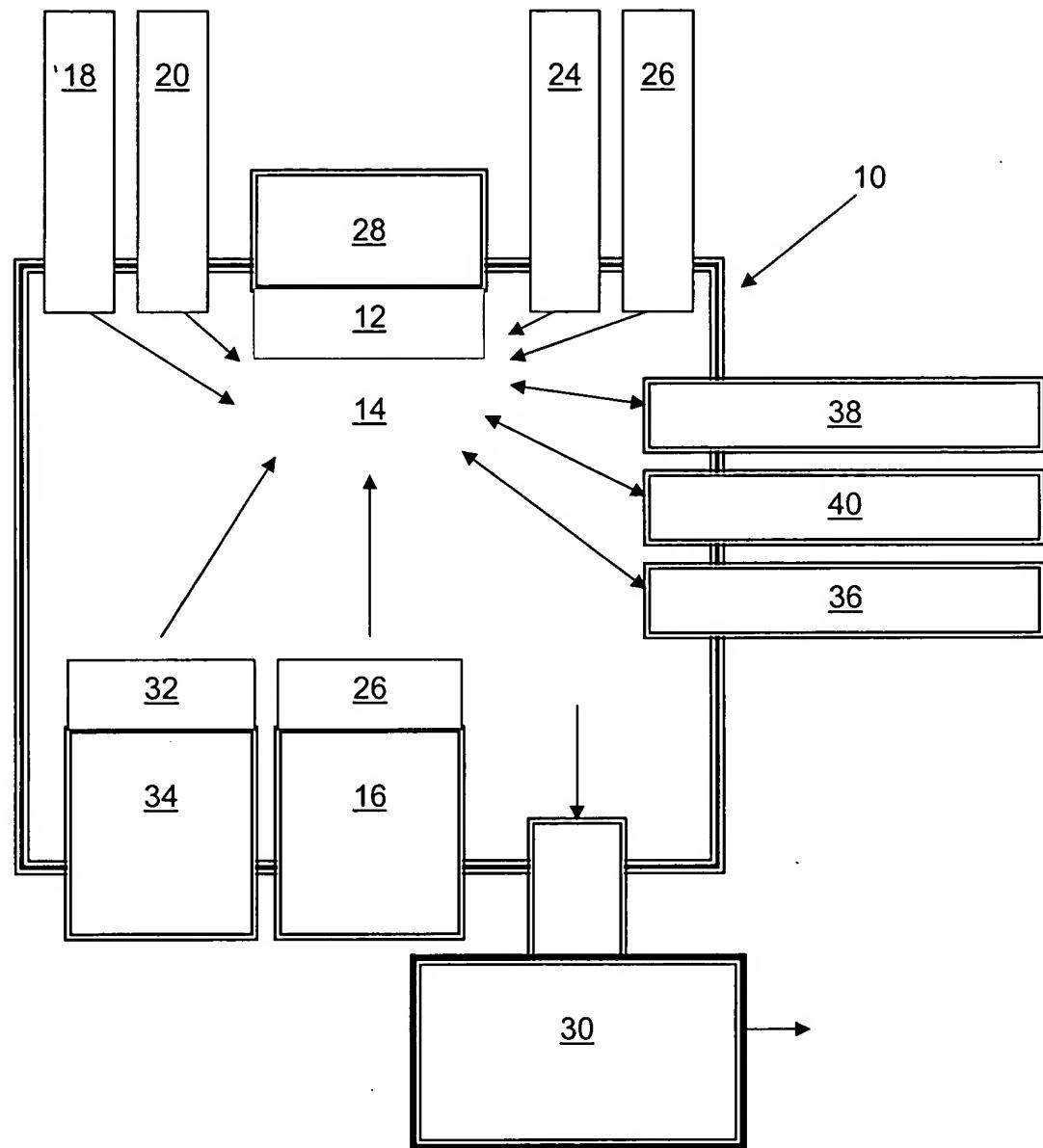


Fig. 1

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ZnO thickness ~ 500 nm/Si

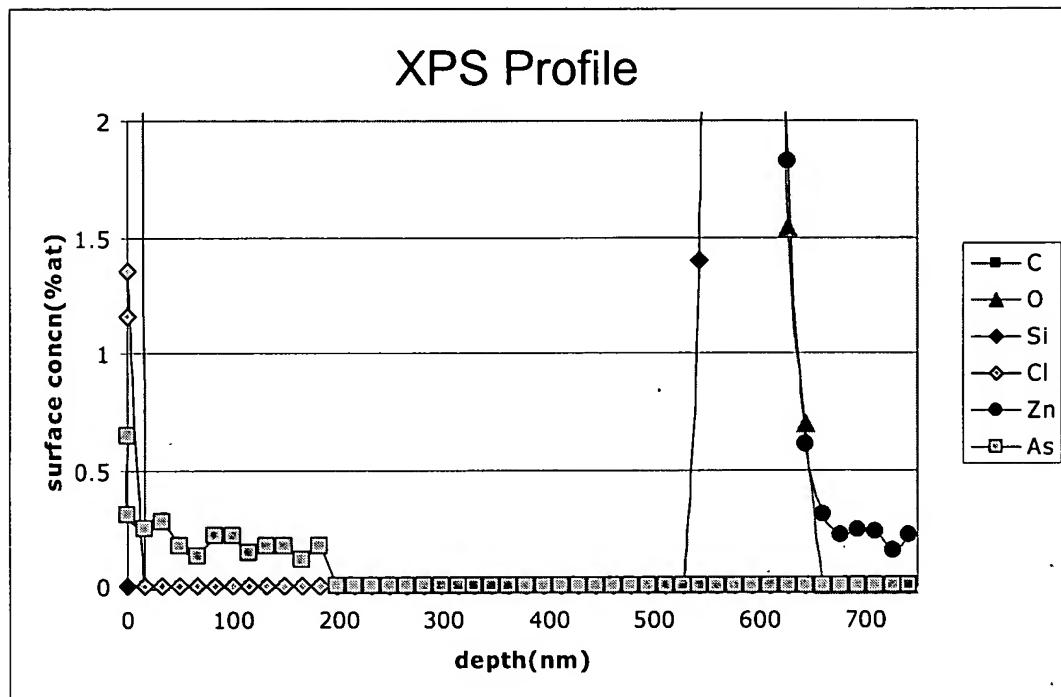


Fig. 2

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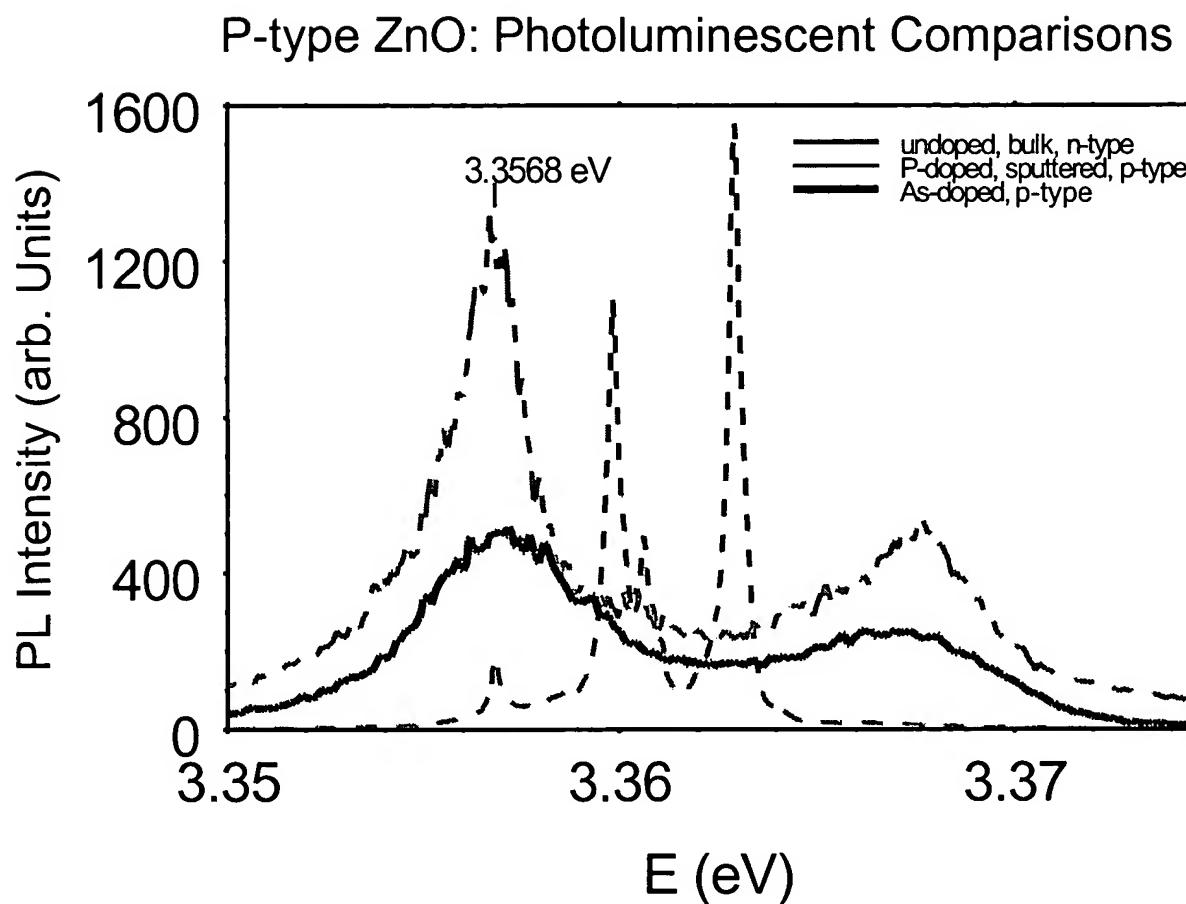


Fig. 3

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Resistance & Mobility of As doped ZnO

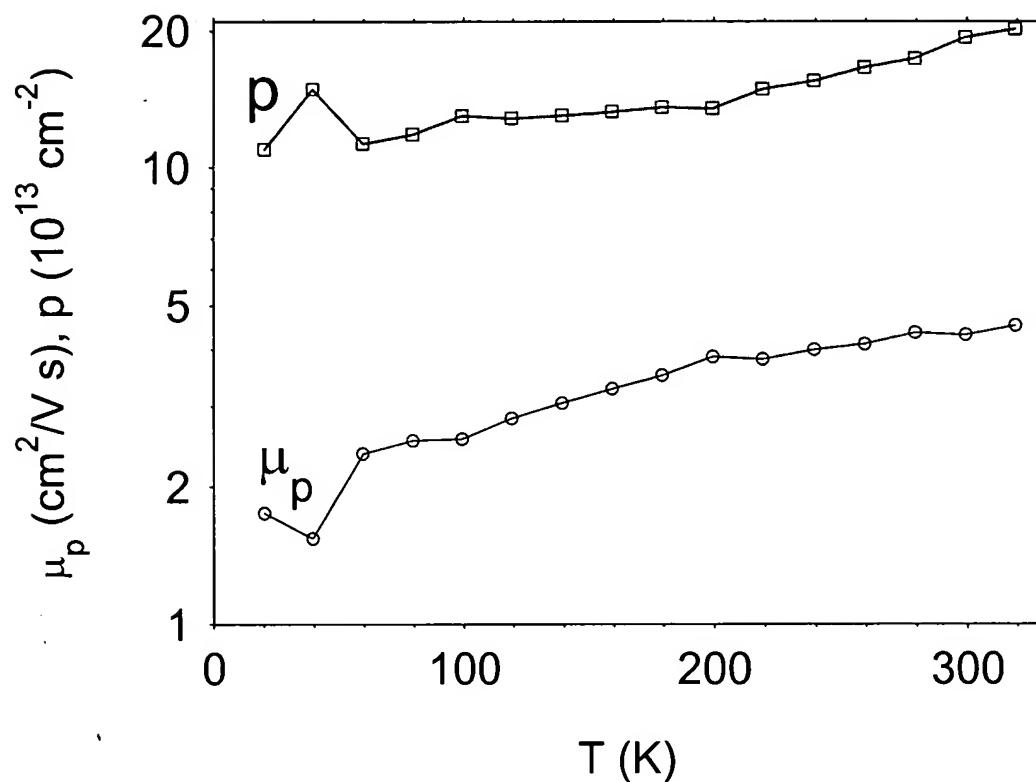


Fig. 4

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SIMS Data Showing Concentration vs. Depth

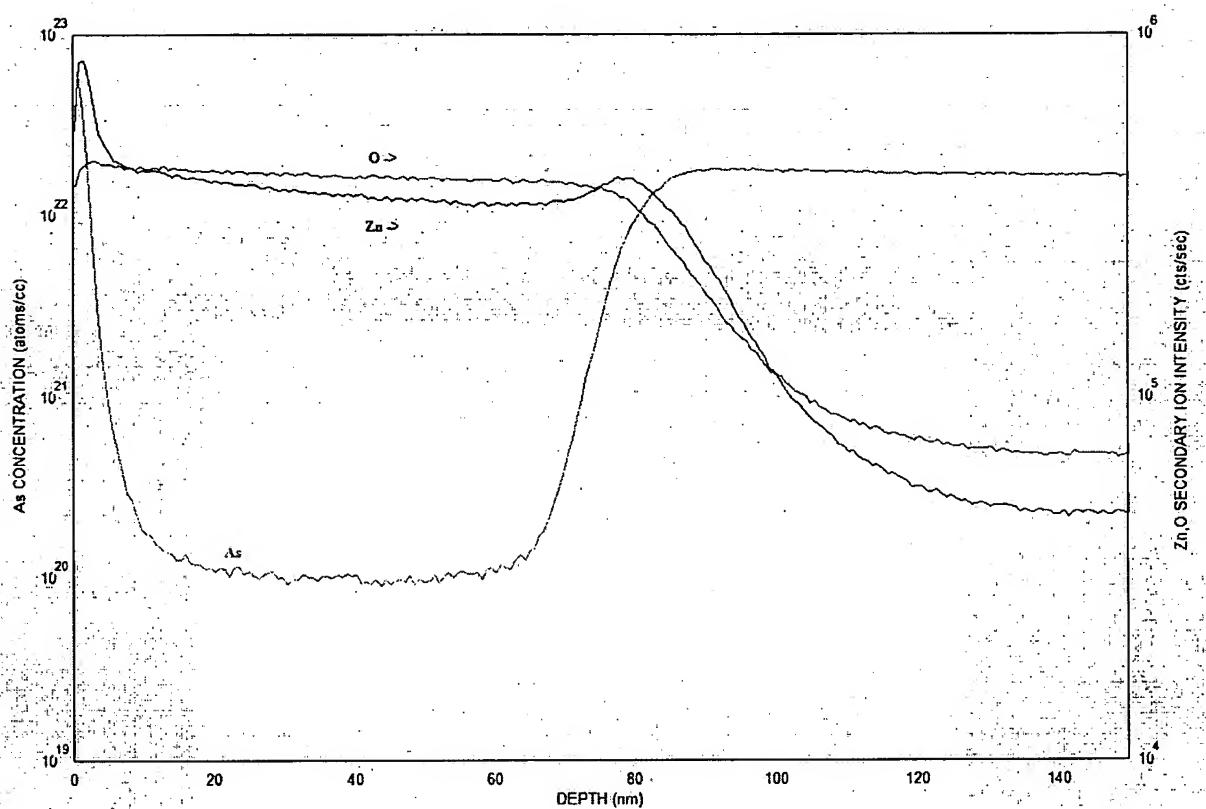


Fig. 5

Title: GROUP II-VI SEMICONDUCTOR DEVICES

Inventors: Robert H. Burgener, II et al.

Docket No.: 3398.2.10

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Polycrystalline Zinc Oxide XRD Pattern

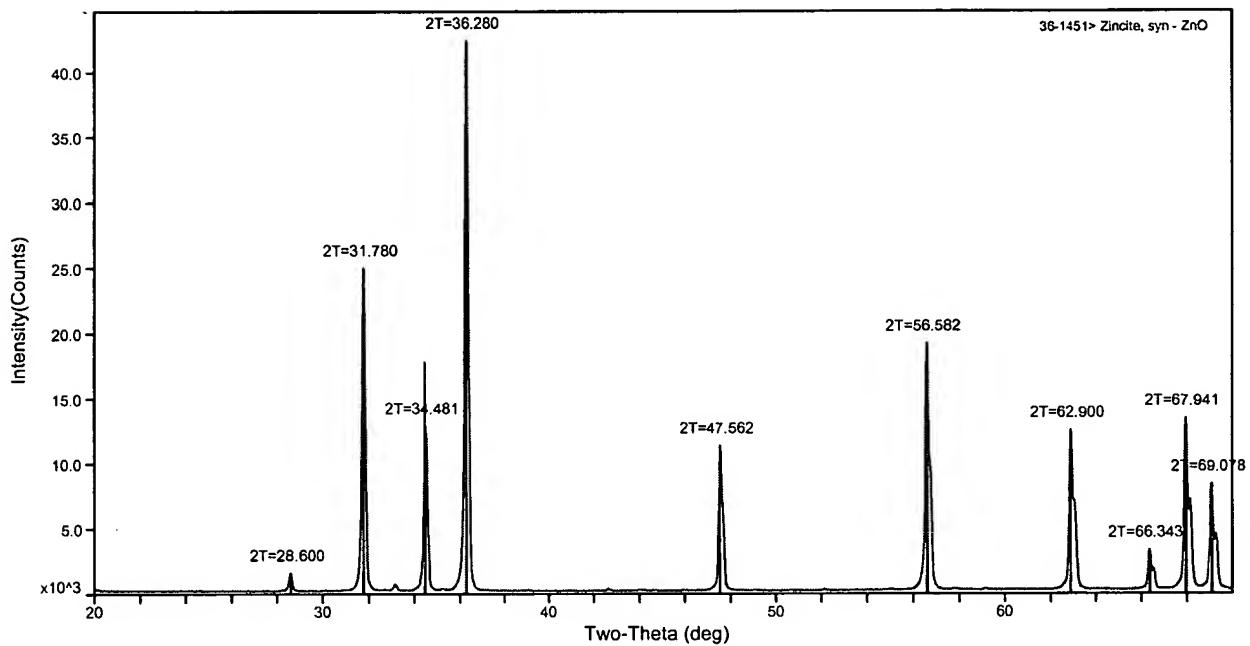


Fig. 6

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Zinc Oxide XRD Pattern
Showing Single Crystal (002) Plane

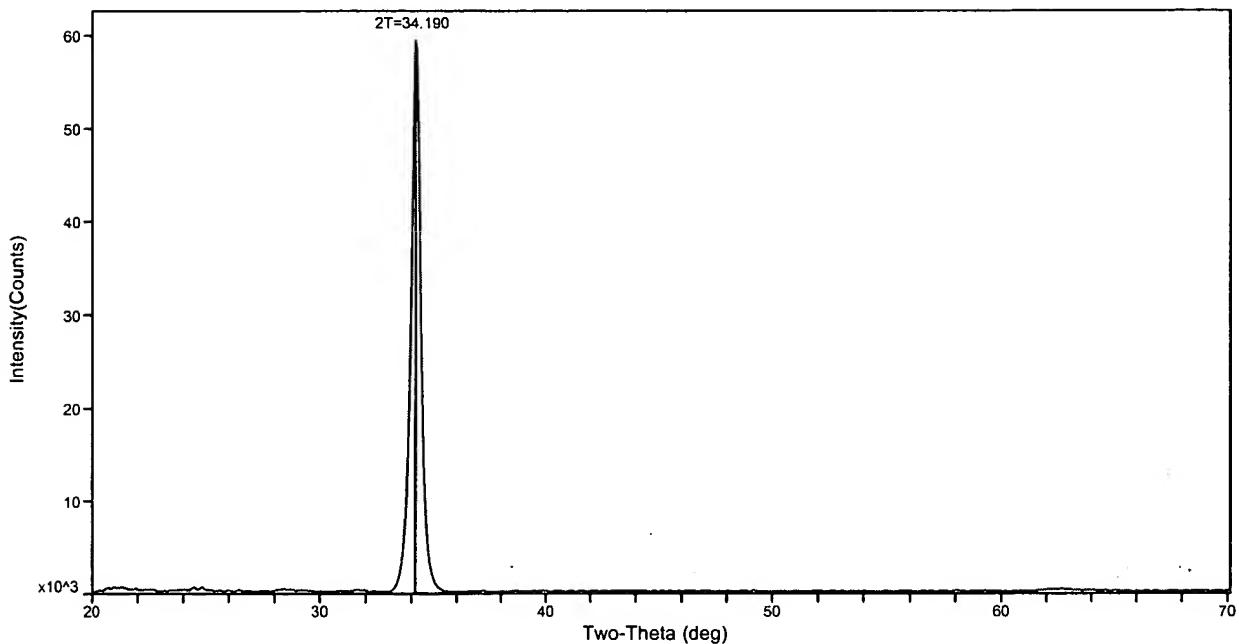


Fig. 7

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Antimony Concentration In Zinc Oxide
Atoms/cm³ verses Depth Into The Surface

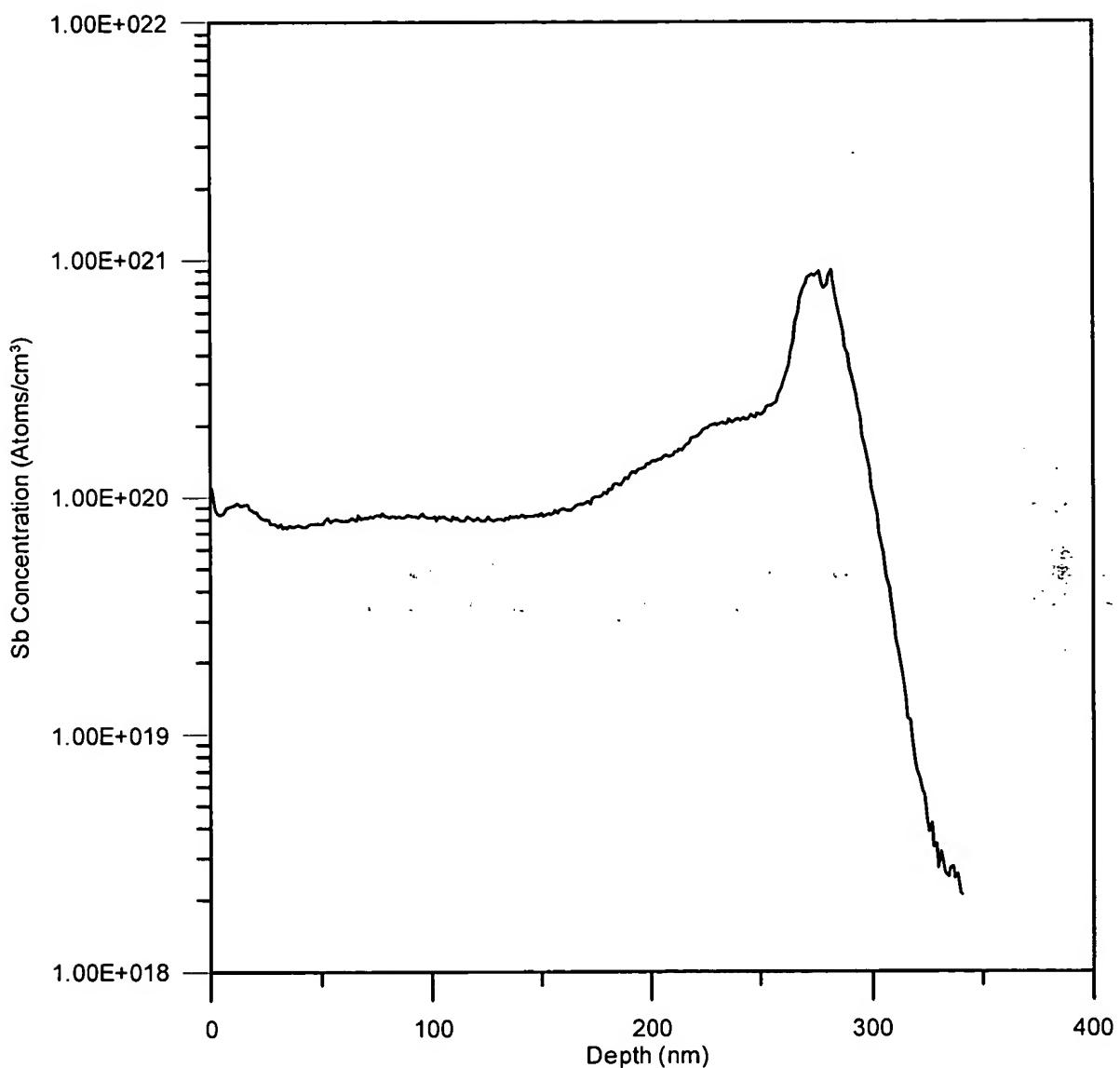


Fig. 8

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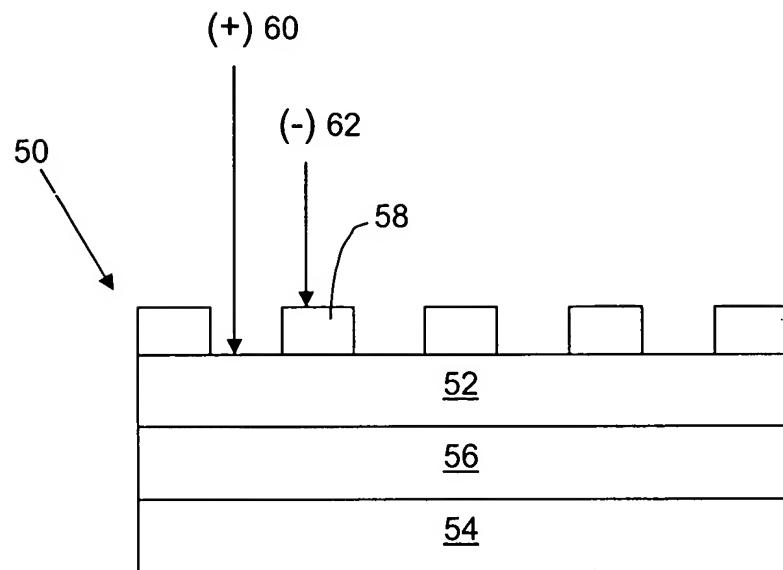


Fig. 9

Title: GROUP II-VI SEMICONDUCTOR DEVICES

Inventors: Robert H. Burgener, II et al.

Docket No.: 3398.2.10

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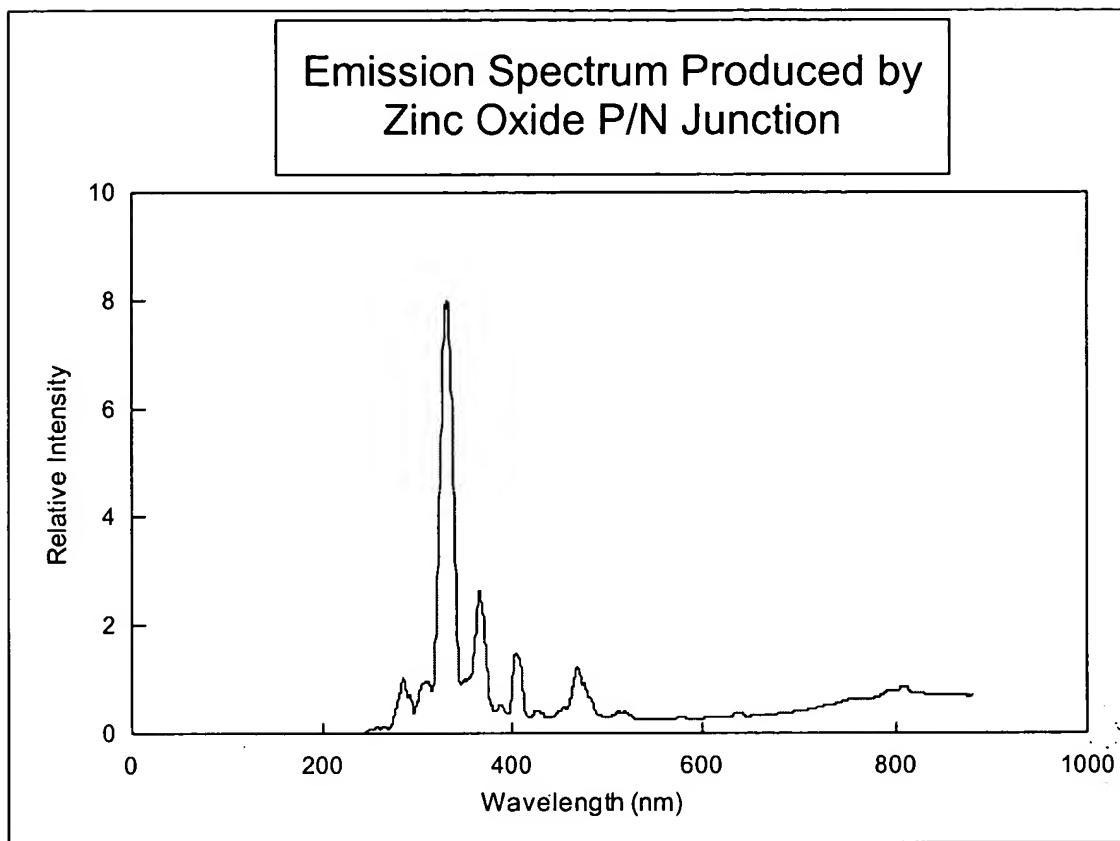


Fig. 10

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Current - Voltage Plot of a Zinc Oxide P/N Junction

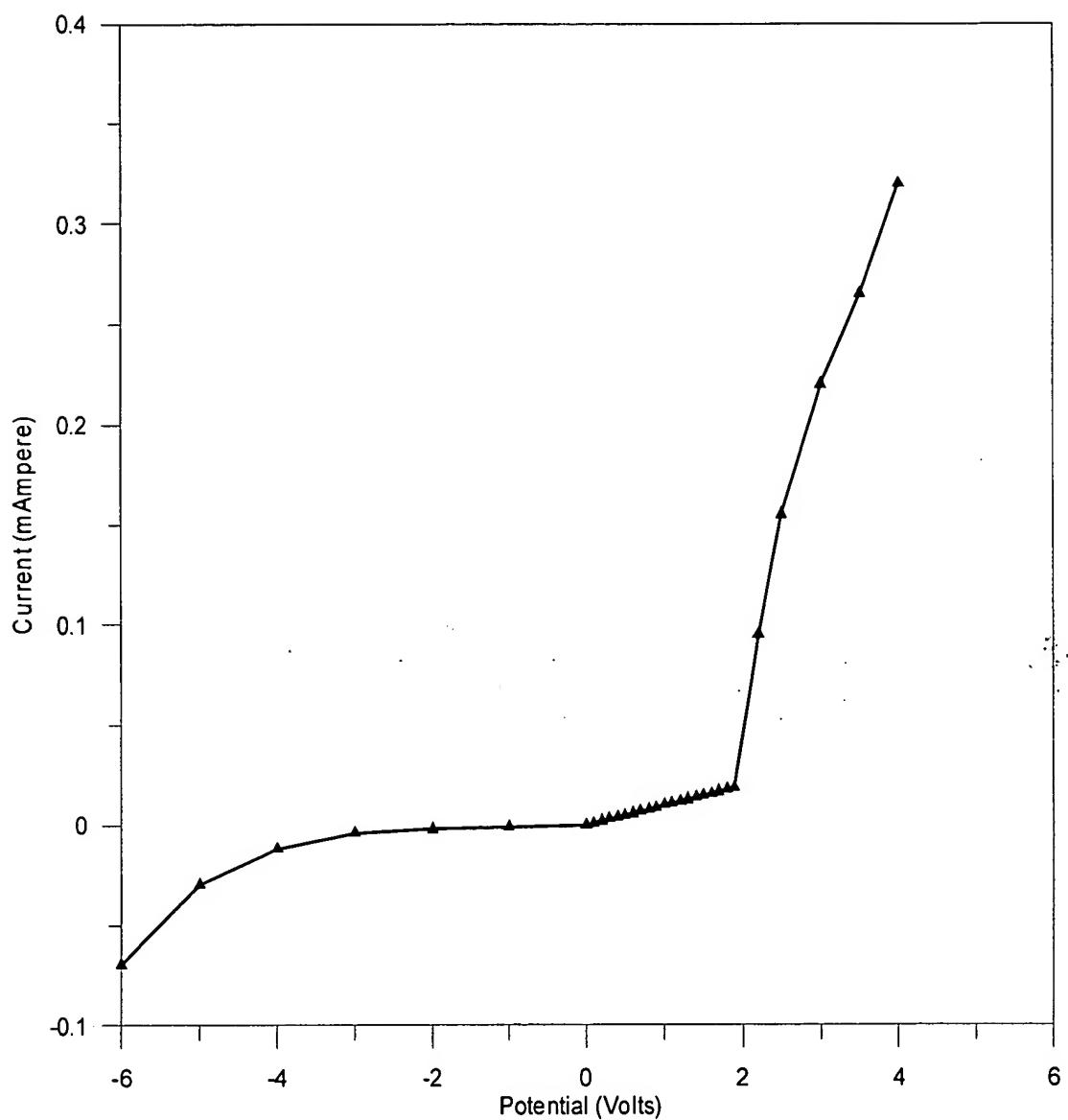


Fig. 11

Title: GROUP II-VI SEMICONDUCTOR DEVICES

Inventors: Robert H. Burgener, II et al.

Docket No.: 3398.2.10

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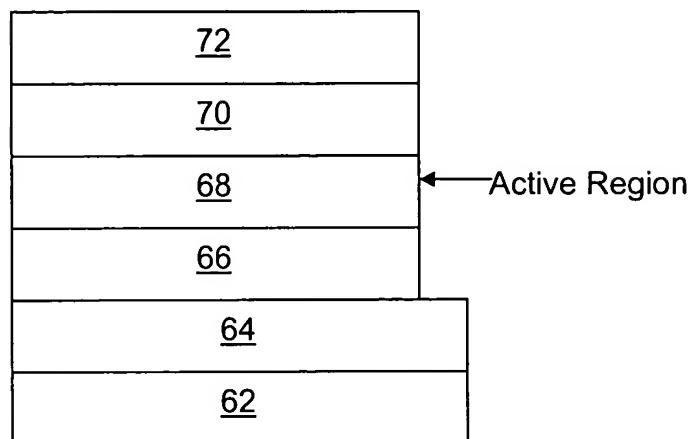


Fig. 12

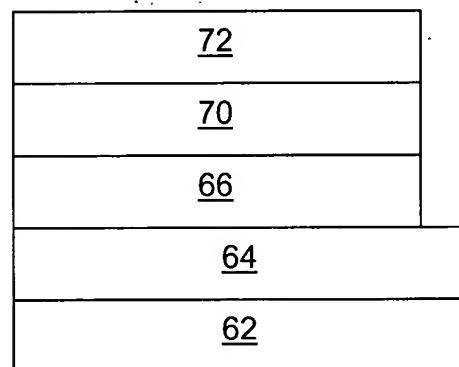


Fig. 13

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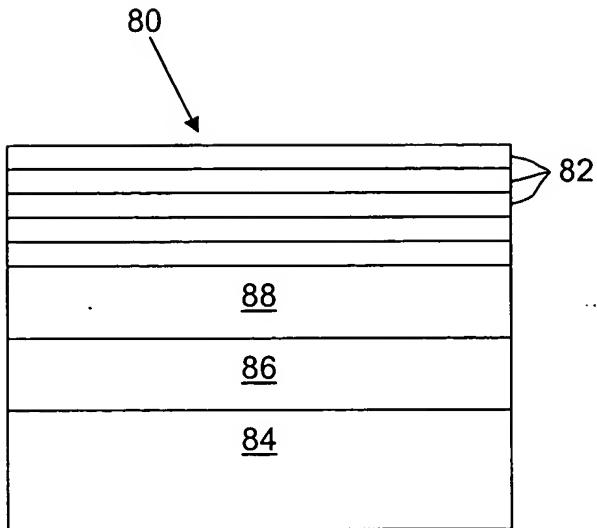


Fig. 14A

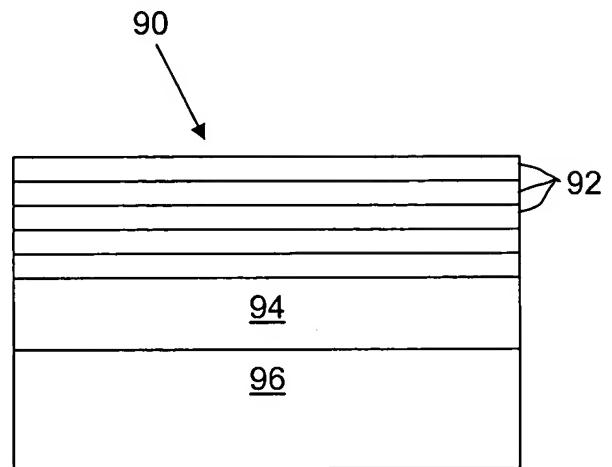


Fig. 14B

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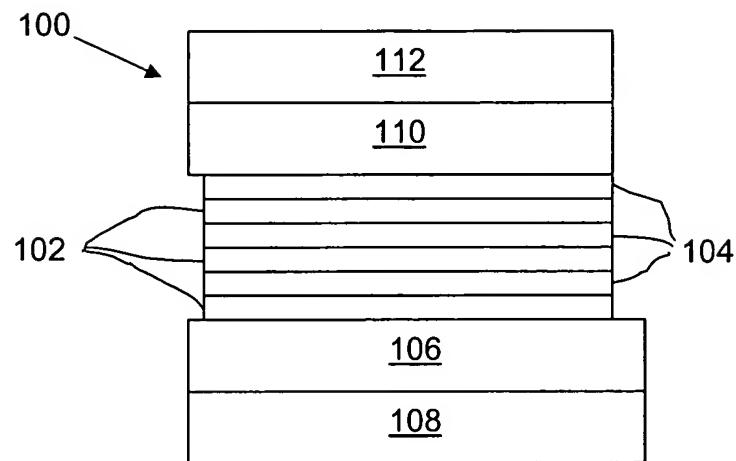


Fig. 15A

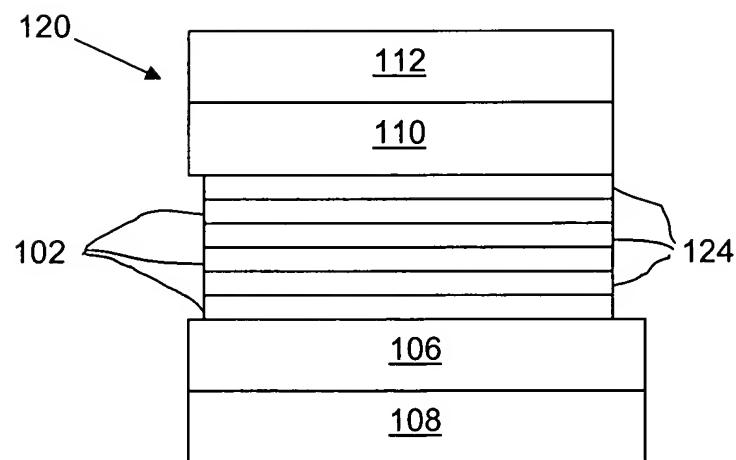


Fig. 15B

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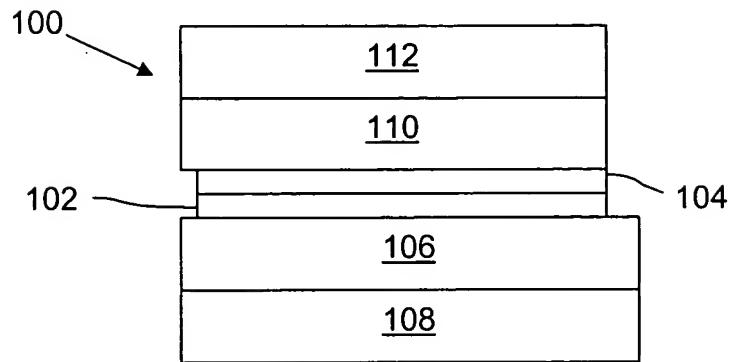


Fig. 16A

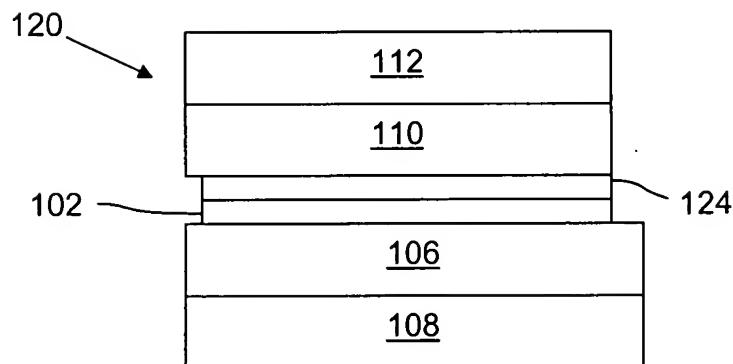


Fig. 16B

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Zinc - Oxygen - Arsenic Ternary Diagram

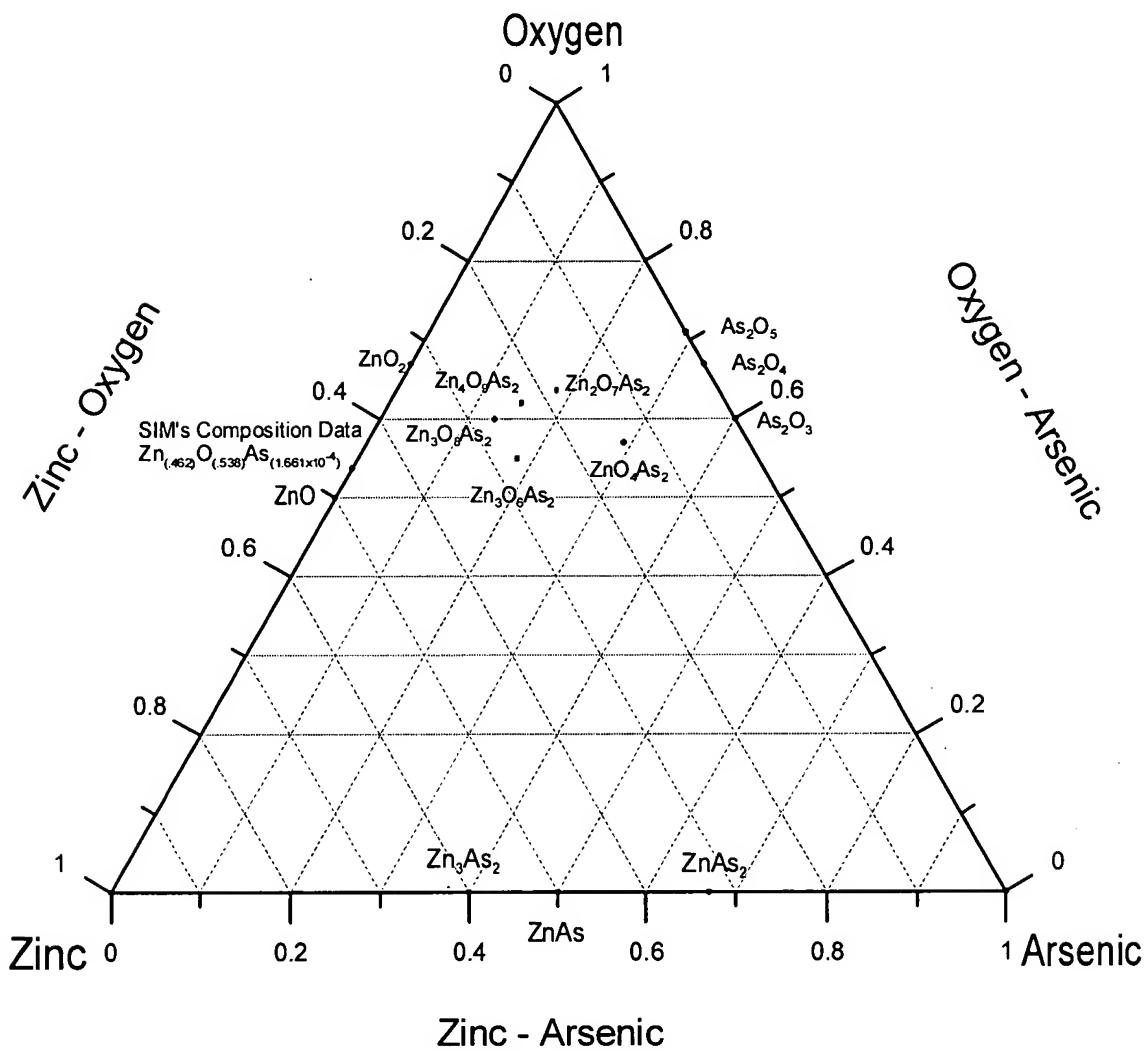


Fig. 17